

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
soond to a collection of information unless it contains a valid OMB control number.

Cubatitut	e for form 1449A	/B/DTO		Complete if Known		
Subsulue	8 101 101111 14437	BIFTO		Application Number	10/099812	
INF	ORMATI	ON DIS	CLOSURE	Filing Date	March 18, 2002	
			PPLICANT	First Named Inventor	Kevin M. Short	
0.7	,, =,,,=,,			Art Unit	2131	
	(Use as many sheets as necessary)			Examiner Name	J. E. Jackson	
Sheet	1	of	1	Attorney Docket Number	CAOT-P02-001	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
98	A2	US-5,661,788 A	08/26/97	CHIN et al.			
40	A3	US-2002/001381 A1	01/03/02	UKYO			

Γ	FOREIGN PATENT DOCUMENTS							
	011-	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	١.		
Examiner Initials*	Cite No.	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)	Date MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	T		
88	B1	EP-1,244,274 A1	09/25/02	YAMAHA CORPORATION		$\Box$		
1	B2	EP-1,260,949 A1	11/27/02	NOKIA CORPORATION		L		
<b> </b>	B3	WO-99/43136 A1	08/26/99	ERICCSON, INC.				
80	B4	WO-03/003235 A1	01/09/03	4 MEDIA, INC.				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Inter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English tanguage Translation is attached.

	NON PATENT LITERATURE DOCUMENTS				
Examiner Inilials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
			<u> </u>		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	Date Considered	6/2/106
- 77		

<sup>&#</sup>x27;Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

OIPE COSS NULL 2 3 7005 NULL STRADENBER

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Index the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Under the Paperwork Reduction Act of 1850, no persons are required wheepping of a consecutive will						
Cut	stitute for form 1449A/B/P7	·n		Complete If Known			
300	Square for form 144074001	•		Application Number	10/099812		
	SUPPLE	ME	NTAL	Filing Date	March 18, 2002		
11	FORMATION	l DI	SCLOSURE	First Named Inventor	Kevin M. Short		
	TATEMENT !			Art Unit	2131		
	(Use as many sh			Examiner Name	J. E. Jackson		
Sheet	1	of	1	Attorney Docket Number	CAOT-P02-001		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
90	A1	5432597	7/11/	Hayes et al.		
130 4	-					

T	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	_		
Initials*	No.	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)		Applicant of Cited Document	or Relevant Figures Appear	٣		
				-				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Inter Office that issued the document, by the two-latter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>			
94	C1	Dedieu et al., "Signal coding and Compression Based on Chaos Control Techniques," IEEE, 1995, pp. 1191-1194, XP002325883				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, 9.O. Box 1490, Alexandria, VA 223/3-1450, on the date shown

Signature:

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE espond to a collection of Information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to

Substitute for form 1449A/B/PTO	
	Application
SUPPLEMENTAL	Filing Da
INFORMATION DISCLOSURE	First Nar
STATEMENT BY APPLICANT	Art Unit
(lice or many sheets as necessary)	Examine

(Use as many sheets as ne

2 of 1 Sheet

Complete if Known				
Application Number	10/099812			
Filing Date	March 18, 2002			
First Named Inventor	Kevin M. Short			
Art Unit	2131			
Examiner Name	J. E. Jackson			
Attorney Docket Number	CAOT-P02-001			

_			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
(a)	A4	US-2001-0037240	11-01-2001	Marks et al.	
97	A5	US-2001-0042109	11-15-2001	Bolas et al.	
	A6	US-2001-0042109	11-15-2001	Bolas et al.	
	A7	US-2002-0001381	01-03-2002		
	A8	US-2002-0046084	04-18-2002	Steele et al.	
	A9	US-2002-0059592	05-16-2002	Kiraly	
	A10	US-2002-0091790	07-11-2002	Cubley	
	A11	US-2002-0154770	10-24-2002	Short	
	A12	US-2002-0164032		Short	
	A13	US-2002-164032	11-07-2002	Short	
	A14	US-2004-0039796	02-26-2004	Watkins	
	A15	US-2004-0143349	07-22-2004	Roberts et al.	
	A16	US-4,941,193	07-10-1990	Michael F. Barnsley	
	A17	US-5,347,600	10-07-2003	Barnsley et al.	
	A18	US-5,416,848	05-16-1995	Young	
	A19	US-5,680,462	10-21-1997	Miller	
	A20	US-5,774,385	03-26-2002	Bristol	
	A21	US-6,249,810	04-03-2001	Kiraly	
	A22	US-6,275,615	08-14-2001	Ida et al.	
	A23	US-6,374,177	04-16-2002	Lee et al.	
	A24	US-6,389,463	05-14-2002		
		US-6,418,138	07-09-2002	Cerf et al.	
		US-6,546,427	04-08-2003		
	A27	US-6,577,716	06-10-2003	Minter et al.	
	A28	US-6,581,103	06-17-2003	Dengler	
	A29	US-6,678,215	01-13-2004	Treyz et al.	
	A30	US-6,725,022	04-20-2004	Clayton et al.	
	A31	US-6,744,893	06-01-2004	Fleming-Dahl	
	_	US-6,799,201	09-28-2004	Lee et al.	
111		US-6,829,475	12-07-2004	Lee et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*		Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	τ°	
CIC	7 B5		JP 04-097197	03-30-1992	Yamaha Corp			
101		36	JP 06-089106	03-29-1994	Sanyo Electric Co Ltd		Ш	
	_	37	JP 07-084580	03-31-1995	Yamaha Corp			
$\vdash$	E	38	JP 07-140983	06-02-1995	Yamaha Corp			
	_	39	JP 09-218683	08-19-1998	Matushita Electric Ind Co Ltd			
<del></del>	_		JP 10-143162	05-29-1998	Matushita Electric Ind Co Ltd			
<del>- +</del>			JP 11-219185	08-10-1999	Matushita Electric Ind Co Ltd			
	_		WO 01/31839	05-03-2001	Lockstream Corp			
		313	WO 02/065386	08-22-2002	Short			
T CXXX	_	314	WO 99/42990	08-26-1999	Postmusic LLC			

Date Considered Examiner Signature

PTO/S8/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Cub	stitute for form 1449A/B/	/PTO		Complete if Known		
300	State for form 1443/40/			Application Number	10/099812	
	SUPPL	.EME	NTAL	Filing Date	March 18, 2002	
IN			SCLOSURE	First Named Inventor	Kevin M. Short	
			APPLICANT	Art Unit	2131	
U	(Use as many			Examiner Name	J. E. Jackson	
Sheet	2	of	2	Attorney Docket Number	CAOT-P02-001	

"EXAMINER: thittal if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No, are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. \* Applicant's unique citation destignation number (optional). \* See kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (bo magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit			
907	C4	Alvarez, et al, "Chaotic Cryptosystems," Institute of Electrical and Electronics Engineers, Proc. 33rd Annual 1999 International Carnahan Conference on Security Technology. (ICCST) Madrid, Spain, Oct. 5-7, 1999, IEEE, US, Vol. Conf 33, October 5, 1999 (1999-10-05), pages 332-338, XP001003771, ISBN: 0-7803-5248-3.			
	C5	Carroll et. al., "Synchronizing Chaotic Systems", SPIE Chaos in Communications 32-43, 1993."			
	C6	Cuomo et. al., "Synchronization of Lorenz-Based Chaotic Circuits with Applications to Communications", IEEE Transactions on Circuits and Systems, 626-633, 1993.			
	C7	Lai, "Synchronization of a Chaotic Optical System Using Control", SPIE Chaos in Communication, pp. 91-102, 1993.			
1	C8	Newell, et al., "Synchronization of Chaos Using Proportional Feedback," SPIE Chaos in Communications, 1993, pages 115-130.			
DR	C9	Yang et. al., "Secure Communication via Chaotic Parameter Modulation", IEEE Transactions on Circuits and System 817-819, 1996.			

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	Jours	$C_{I}$	al	Date Considered	6/21/06
10020582_1		7			

<sup>&#</sup>x27;Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.